

## ABSTRACT

An electrical variable optical attenuator (10) of the present invention has a housing (1), a cover (2), an attenuating means (3), an optical module (4), an electrical driving element (5), an input fiber (87) and an output fiber (86). The attenuating means includes a carrier (30) having a guide groove (301) and an inner screw (302). A filter (32) is fixed on the carrier. The optical module includes a guide pole (41). The electrical driving element has a screw rod (552), which couples with the inner screw. The attenuating means is assembled inside the optical module with the guide pole being received in the guide groove to confine the direction of movement of the carrier along the screw rod, thus helping to avoid trembling of the filter when the screw rod is rotated.